

Title (en)

Method and apparatus for image acquisition.

Title (de)

Bildaufnahmeverfahren und Apparat.

Title (fr)

Procédé et appareil pour l'acquisition d'images.

Publication

**EP 0087518 A2 19830907 (EN)**

Application

**EP 82111856 A 19821221**

Priority

US 35259782 A 19820226

Abstract (en)

A method and apparatus for image acquisition utilizing a non-planar beam of electro-magnetic radiation, such as, a hollow conical beam (16) of light, to illuminate at least a portion (18) of an object (62). The illuminated portion (18) of the object (62) is imaged on an array (44) of photosensitive elements to produce corresponding signals that are representative of the image on the array. These signals can be used to obtain identification information concerning the object (62) and guidance information for a plural axis manipulator employed in conjunction with the object. In one application the image acquisition apparatus is used in a robot (58) to provide control signals for guiding the robot tool (60) along a path, such as, a welding seam.

IPC 1-7

**G01B 11/24**; **G01B 11/02**

IPC 8 full level

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CPC (source: EP)

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